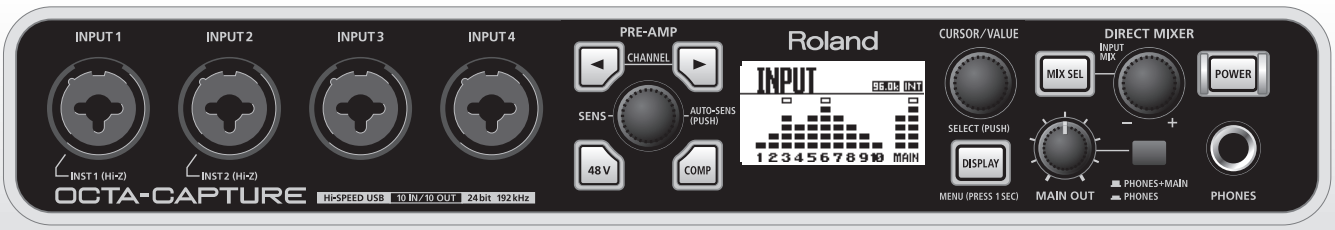
Roland



OCTA-CAPTURE

Hi-SPEED USB Audio Capture

Version 1.5 Functions

Introduction

Features of OCTA-CAPTURE Version 1.5

- The control panel is more graphical, allowing intuitive operation.
- The AUTO-SENS function can be operated from the control panel.
- The latency with ASIO has been reduced even further.
- The operating sample rate can be changed from within your DAW application.

Operating Requirements

In order to use OCTA-CAPTURE Version 1.5, you'll need to update the driver and the system program.

OCTA-CAPTURE

System program	Ver. 1.50 or later
Driver	Ver. 1.5 or later

In order to use the OCTA-CAPTURE as an expansion device for the VS-100 or VS-700, the driver of the VS-100 or VS-700 must be updated.

VS-100

Windows driver	Ver.2.0.1
Mac driver	MacOS 10.7: Ver. 1.0.0 MacOS 10.6: Ver. 2.0.0 MacOS 10.5: Ver. 2.0.0

VS-700

Windows driver	Ver. 2.0.1
Mac driver	Ver. 1.0

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Updating the System Program

Checking the Version

Please check the OCTA-CAPTURE's system software version.

When you turn the power on, the system software version is shown in the lower middle of the screen.

If a version earlier than V1.50 is indicated

An update is required. Please perform the update as described below.

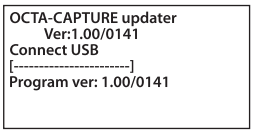
If V1.50 or later is indicated

No update is required.

Updating

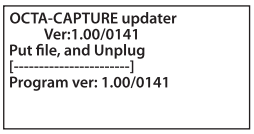
1. **Disconnect the USB cable.**
2. **While simultaneously holding down the [▶] button in the OCTA-CAPTURE's PRE-AMP control section and pressing the [CURSOR/VALUE] knob, turn the power on.**

   Continue holding down the button and the knob until the following screen appears.

3. **Use the USB cable to connect the OCTA-CAPTURE to your computer.**

   When the USB connection is detected, the following screen will appear.

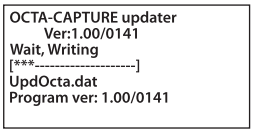
   Your computer will recognize the OCTA-CAPTURE as a removable disk.
4. **Drag (copy) UpdOcta.dat onto the removable disk.**
5. **When you see that the copy has been completed, disconnect the USB cable.**

   After you disconnect the USB cable, the program will start being written.

NOTE

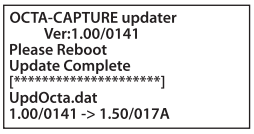
Do not power off the OCTA-CAPTURE until the update is complete, doing so may damage the unit.

A screen like the following will appear.



When the program has been updated successfully, the screen will show the updated version.

This completes the update procedure.



Checking the Update

6. Turn the power of the OCTA-CAPTURE off, then on again.

Make sure that V1.50 is now shown as the system software version in the bottom of the screen.

*** If the update was unsuccessful, you can retry the process from step 1.**

Updating the OCTA-CAPTURE Driver

Installing the Driver

The downloaded file is a ZIP format archive file. Right-click the file's icon, and choose "Extract all" to extract the files as directed in the screen.

For details on the installation procedure, refer to the Readme.htm file that is created when you extract the archive.

*** Uninstall the old driver before you install the new driver.**
For details on the uninstallation procedure, refer to the Readme.htm file that was created when you extracted the archive.

Be sure to read the Readme.htm (*) file before you install the driver.

Version 1.5 Functions

Direct Mixers and Routing

In addition to its audio interface, the OCTA-CAPTURE internally provides four direct mixers (p. 7) and a patch bay (p. 11).

Settings for these can be made using the OCTA-CAPTURE's own knobs and buttons (p. 14), as well as from your computer using a dedicated control panel.

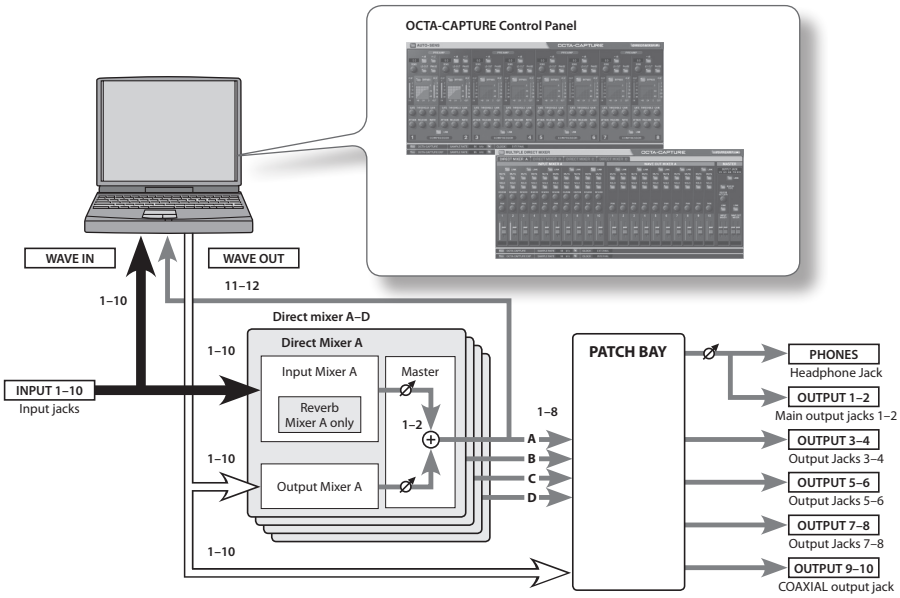
Direct Mixer A, B, C, D

This allows the input signals to be directly output for monitoring without being routed through the computer.
You can adjust the balance among these signals and the playback from the computer.
The direct mixer is a stereo mixer that provides individual adjustment of volume and pan for each input and each playback channel from the computer.

You can control the four mixers independently. For details, refer to "Direct Mixer control" (p. 7).

PATCH BAY

This allows you to assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer. For details, refer to "Patch Bay" (p. 11).



If you want to fully control the OCTA-CAPTURE's direct mixer and patch bay, it's convenient to use the dedicated OCTA-CAPTURE control panel (p. 5). In addition to the direct mixer and patch bay, this allows graphic editing of the OCTA-CAPTURE's preamps and compressors as well.

Let's try using the direct mixer while using the control panel.

Control Panel

The OCTA-CAPTURE's control panel controls the OCTA-CAPTURE's internal preamps, the four direct mixers, and the patch bay. The control panel will be available for use after you've installed the dedicated driver.

For more about using the control panel, you can also choose "View README" from the OCTA-CAPTURE control panel.

Windows version	From the "Driver" menu, choose "Show README"
Macintosh version	From the "OCTA-CAPTURE Control Panel" menu, choose "Show README"

Startup

Access the OCTA-CAPTURE control panel as follows.

Windows Users

Open the Windows Control Panel and double-click the [OCTA-CAPTURE] icon.

If you don't see the OCTA-CAPTURE icon, open the control panel and switch to Icon view (Windows 7) or Classic view (Windows Vista/Windows XP).

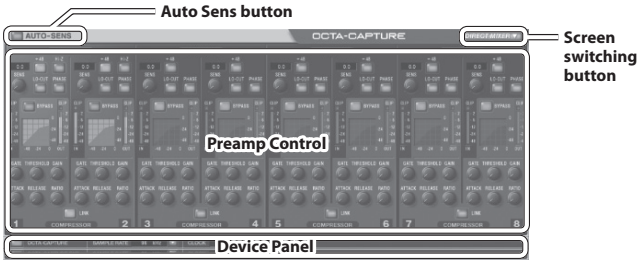
Macintosh Users

Open the Applications folder, and double-click the [OCTA-CAPTURE Control Panel] icon.

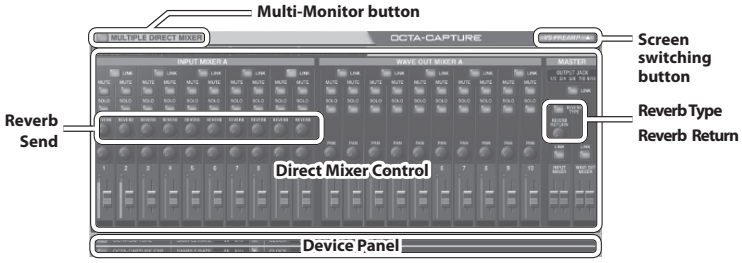
Screen Items and what They Do

Main Window

Preamp Control screen



Direct Mixer Control screen



Multi-Monitor button

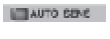
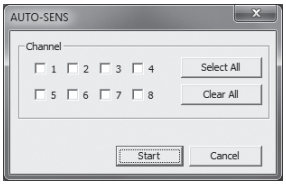
This causes direct mixers B, C, and D to be shown in addition to direct mixer A. The various outputs from these will be patched to OUTPUTs 1–8.

Screen switching buttons

Use these buttons to switch between the Preamp Control screen and the Direct Mixer Control screen.

Preamp control

Preamp section

Screen indication	Setting	Explanation
SENS	Input gain	Adjusts the input signal's gain over a range of 0–50 dB, in steps of 0.5 dB.
+48	+48 V phantom power	Supplies phantom power. Turn this on if you're using a device that requires phantom power, such as a condenser mic.
Hi-Z	Impedance select (channels 1 and 2 only)	Choose the Hi-Z (ON) setting if you've connected a guitar, and choose the Lo-Z (OFF) setting if you've connected any other device.
PHASE	Phase	Inverts the phase of the input signal.
LO-CUT	Low cut	Enables the low-cut filter for the input. The cutoff frequency is 100 Hz.
	Level meter	Indicates the status of the signal being input to the preamp section. Its function is identical to that of the indicator shown in the LCD screen of the OCTA-CAPTURE itself (Owner's Manual p. 33).
	Auto Sens button	Used to set the Auto Sens function (Owner's Manual p. 37). Clicking this will open the Auto Sens setup dialog box. Select the channel for which you want to carry out Auto Sens, and then click [Start]. 

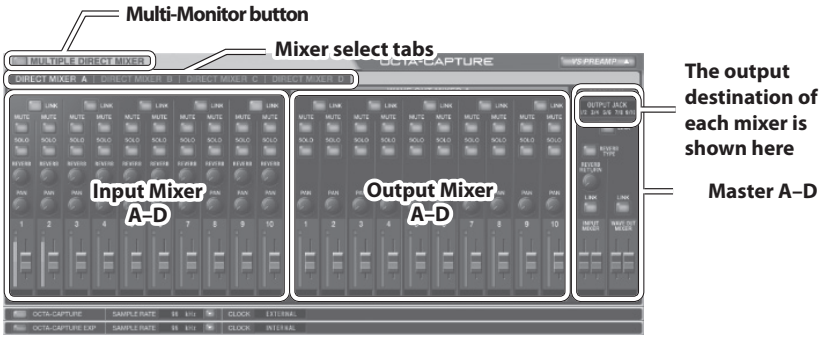
Compressor section

The compressor section can also be controlled from the OCTA-CAPTURE itself (p. 16).

Screen indication	Setting	Explanation
GATE	Gate	Mutes signals below the specified level. (dB)
ATK	Attack Time	Specifies the time from when the input level exceeds the threshold until the compressor begins to operate. (msec)
REL	Release Time	Specifies the time from when the input level falls below the threshold level until the compressor stops operating. (msec)
THRES	Threshold	Specifies the signal level at which the compressor begins operating. (dB)
RATIO	Ratio	Specifies the compression ratio at which the audio signal is to be compressed.
GAIN	Gain	Adjusts the output level of the compressor. (dB)
LINK	Stereo Link	If this setting is on, the compressor settings of the adjacent channel will be set so they're identical to those of this channel.
BYPASS	Bypass switch	Disables the compressor.
	Compressor output level meter	Indicates the status of the signal being output from the compressor section.

Direct Mixer control

*** When operating at a sampling frequency of 192 kHz, only Mixer A will be available.**



Input Mixer A–D

Here you can control the monitor level and balance of the audio data being input via input jacks 1–10.

*** With the factory settings, only mixer A will be shown.**

If you turn on the multi-monitor button, the four input mixers A–D can be controlled independently.

To switch between mixers A–D, click the mixer select tabs.

The input mixer can also be controlled from the OCTA-CAPTURE itself (p. 14).

Screen indication	Setting	Explanation
LINK	Stereo Link	If this setting is on, the mixer settings of the adjacent channel will be set so they're identical to those of this channel.
MUTE	Mute	Switches muting on/off.
SOLO	Solo	Switches solo on/off.
REVERB	Reverb Send	Adjusts the send level to the reverb unit (input mixer A only). For more about the reverb unit on/off and type settings, refer to "Master A–D" (p. 8).
PAN	Pan	Specifies the panning of the sound.
	Slider	Adjusts the monitor level of the input signal.
	Level meter	Indicates the status of the signal being input to the mixer section.

Output Mixer A–D

Here you can control the balance of the five stereo channels of audio data sent from the computer, and send it to the headphones or the monitoring section.

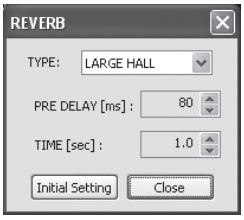
You can control the four output mixers independently.

Click a mixer select tab to switch among mixers A–D.

Screen indication	Setting	Explanation
LINK	**Stereo Link**	If this setting is on, the mixer settings of the adjacent channel will be set so they're identical to those of this channel.
MUTE	**Mute**	Switches mute on/off.
SOLO	**Solo**	Switches solo on/off.
PAN	**Pan**	Specifies the panning of the sound.
	Slider	Adjusts the monitor level of the playback signal from the computer.
	Level meter	Indicates the status of the signal being output from the computer.

Master A–D

Here you can control the master output levels of the input mixer and the output mixer.

Screen indication	Setting	Explanation
LINK	**Link**	If this setting is on, the master volume of the input mixer and output mixer will be linked.
RETURN	**Return**	Adjusts the send level to the reverb unit (input mixer A only). For more about the reverb unit on/off and type settings, refer to "Master A–D" (p. 8).
LINK	**Stereo Link**	If this setting is on, the sliders of the left and right channels will be linked.
	Slider	Adjusts the overall monitor level.
REVERB TYPE	**Reverb Type**	Displays the reverb dialog box (input mixer A only). Here you can edit settings such as the reverb type and the delay time. 

*** Reverb is not available when operating at a sampling frequency of 192 kHz.**

The reverb can also be controlled from the OCTA-CAPTURE itself (p. 17).

Setting		Explanation
TYPE	ECHO:	Echo will be applied.
	ROOM:	Reverb that simulates the reverberation of a room.
	SMALL HALL, LARGE HALL:	Reverb that simulates the reverberation of a hall; produces a more spacious reverberation than ROOM.
	OFF:	No reverb will be applied.
PRE-DELAY		Adjusts the time from when the direct sound is output until the effect sound is output. Lengthening the pre-delay will create an effect in which multiple sounds are heard.
TIME		Adjusts the time over which the reverberation decays to silence.

You can adjust the PRE-DELAY and TIME parameters for each TYPE.

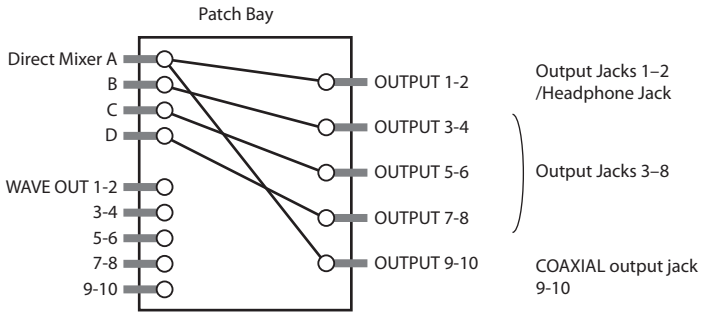
If you click the [Initial Setting] button, the settings will return to their factory-set state.

Multi-Monitor button

If you click the [Multi-Monitor] button, you'll be able to independently control the four direct mixers A–D.

Direct mixers A--D will output directly to OUTPUTs 1–8.

Choose this setting if you want to output to four separate monitor systems (p. 19).



Device panel

Here you can view the status of the OCTA-CAPTURE's settings.

Item	Explanation
	Selects which unit's mixer will be shown when two OCTA-CAPTURE units are connected. When you click this button, the display of the OCTA-CAPTURE unit itself will be highlighted.
SAMPLE RATE	Indicates/Sets the sampling frequency.
CLOCK	Indicates the clock source. INTERNAL: The OCTA-CAPTURE's internal clock is used. EXTERNAL: The OCTA-CAPTURE is operating in synchronization with the digital signal being input to INPUT jack 9/10.

Setting the sampling rate

The sampling rate setting of the OCTA-CAPTURE automatically changes to match the rate of the audio data that is played, or the rate that your DAW software is set to when recording.

You can also change the sampling rate of the OCTA-CAPTURE manually.

Click ▼ of the SAMPLE RATE, then select another sampling rate.

In this case, you may also need to change the sampling rate of the DAW software.

*** The sampling rate cannot be changed during playback or recording, or when equipment is connected to the COAXIAL IN (9/10) jack.**

*** When the sampling rate is switched, a small pop noise may be heard, but this does not indicate a malfunction.**

Saving and Loading Your Settings

From the OCTA-CAPTURE's control panel, you can save the current settings as a file, or load previously saved settings from a file.

The following settings are saved.

- Compressor settings (p. 7)
- Preamp settings (p. 6)
- Direct mixer A–D settings (p. 7)
- Reverb settings (p. 8)
- Patch bay settings (p. 11)

*** If you're using two connected OCTA-CAPTURE units, you can save the settings for each unit individually. To save settings for both units, select each in the device panel and its settings.**

Saving settings

1. From the "Device" menu, choose [Save settings].

2. Specify the file in which the settings are to be saved.

Loading settings

1. From the "Device" menu, choose [Load settings].

2. Specify the file that contains the settings you want to load.

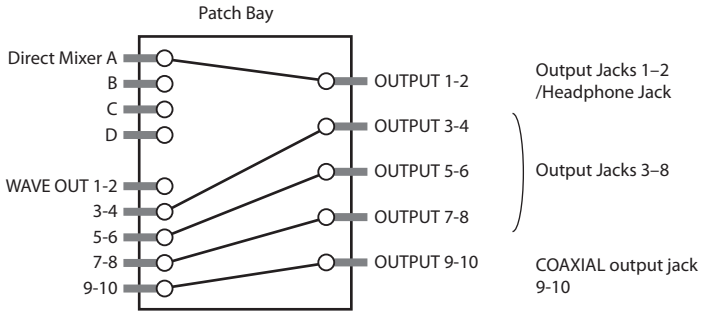
Patch Bay

The Patch Bay dialog box will appear when you choose [Open the Patch Bay] from the "Device" menu.

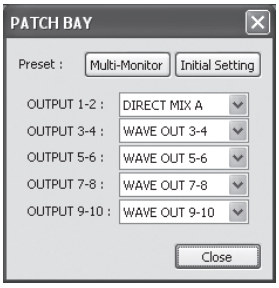
As appropriate for your needs, you can freely assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer.

*** The patch bay is not available when operating at a sampling frequency of 192 kHz.**

The patch bay can also be controlled from the OCTA-CAPTURE itself (p. 17).



For each output jack, choose the source that you want to patch.

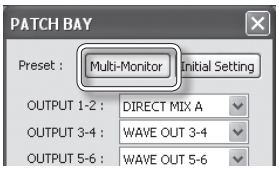


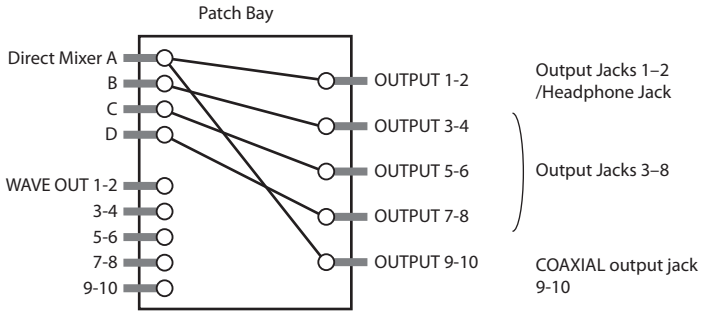
Sources that can be selected for OUTPUT

Source name	Explanation
WAVE OUT 1–10	Playback sound from the computer
DIRECT MIX A–D	Output sound from direct mixers A–D

If you click the [Multi-Monitor] button, Direct Mixer A–D will be output directly to output jacks 1–8.

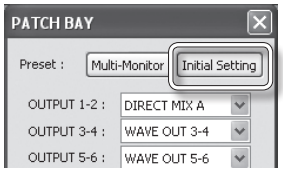
Use this setting if you want to output to four monitor systems (p. 19).

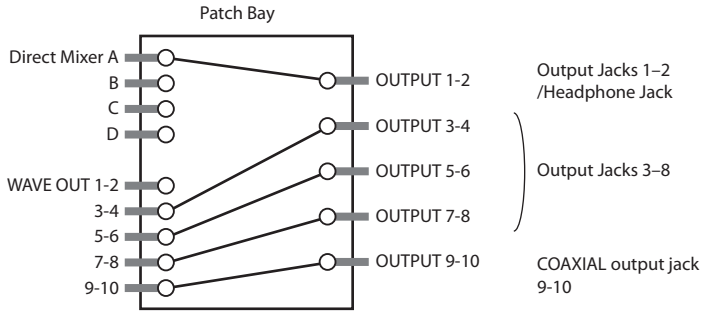




Clicking the [Initial Setting] button will return the settings to their factory-set state.

The WAVE OUT 3–10 playback signals from the computer will be output directly from output jacks 3–10.





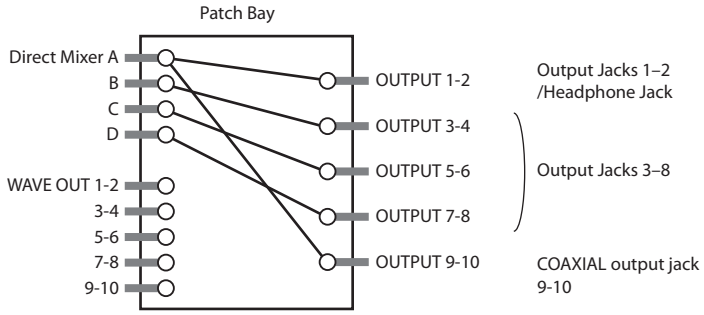
Directly Outputting Each Channel's Input

If you choose the command [Directly Output the Inputs] from the "Device" menu, the input signals will be passed directly to the output jacks.

*** The settings of mixers A–D and the patch bay will change.**

This is convenient when you want to use a mixing console to adjust monitor levels without using the OCTA-CAPTURE's internal mixer.

Patch bay settings



Input mixer settings

INPUT MIXER A

INPUT MIXER B

INPUT MIXER C

INPUT MIXER D

Initializing the Settings

The OCTA-CAPTURE allows you to initialize each setting independently.

*** Settings can also be initialized from the OCTA-CAPTURE itself (p. 17).**

1. **From the "Device" menu, choose [Initialize].**
2. **From the items shown, choose the item that you want to initialize.**

Displayed item	Content that will be initialized
ALL	Preamp, direct mixer, reverb, and patch bay
MIC PRE	Compressor settings and preamp settings
DIRECT MIX	Direct mixer A–D settings
REVERB	Reverb settings
PATCH BAY	Patch bay settings

A confirmation screen will appear.

3. **Click [OK] to initialize, or click [Cancel] to cancel without initializing.**

Checking the signal flow

From the "Device" menu, choose [Show the signal flow] to view a block diagram.

Driver settings

Here's how to view or modify the driver settings.

Windows users

From the "Driver" menu, choose [Driver Settings].

Mac OS X users

From the "OCTA-CAPTURE Control Panel" menu, choose [Driver Settings].

For details, refer to "Driver Settings" (Owner's Manual p. 69).

View in foreground

Windows users

From the "Driver" menu, choose [Always on top].

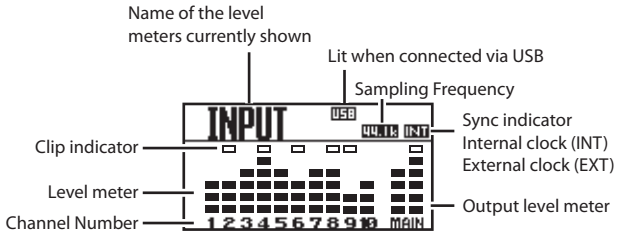
Mac OS X users

From the "OCTA-CAPTURE Control Panel" menu, choose [Always on top].

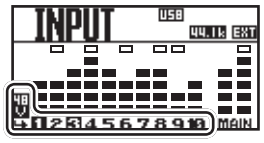
Operations in the OCTA-CAPTURE's Panel

Main Screen

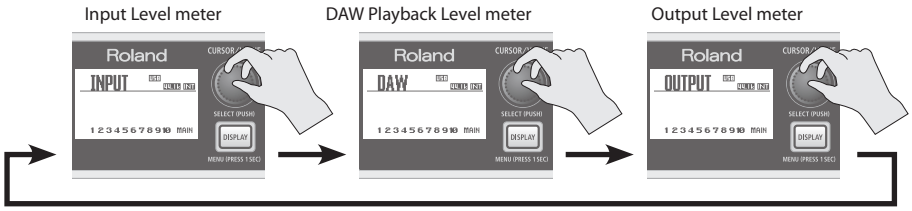
Press the [DISPLAY] button to access the main screen.



If phantom power (p. 17) is turned on for a channel, that channel number will be highlighted.



As you turn the [CURSOR/VALUE] knob toward the right, you'll move successively through the screens "INPUT" (the input levels), "DAW" (the output levels from the computer), and "OUTPUT" (the output levels from the OCTA-CAPTURE's OUTPUT jacks).

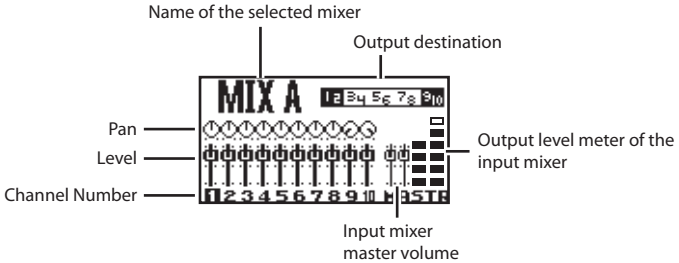


Input Mixer

[MIX SEL] Button

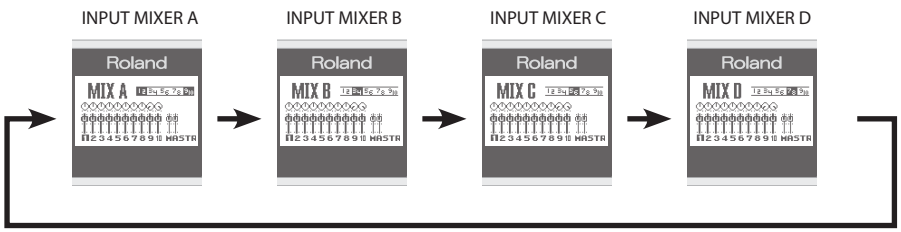
Press the [MIX SEL] button to access the INPUT MIXER screen.

INPUT MIXER screen



If Mixer B, C, or D is assigned as the output destination in the patch bay (p. 18), you can press the [MIX SEL] button to cycle through the INPUT MIXER screens.

Mixer screens not assigned as an output destination will not be shown.

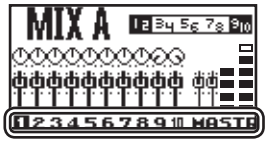


[INPUT MIX] Knob

Turn the [INPUT MIX] knob to adjust the input mixer's master volume.

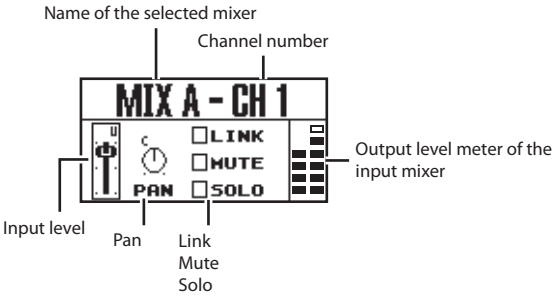
Editing the parameters of each channel

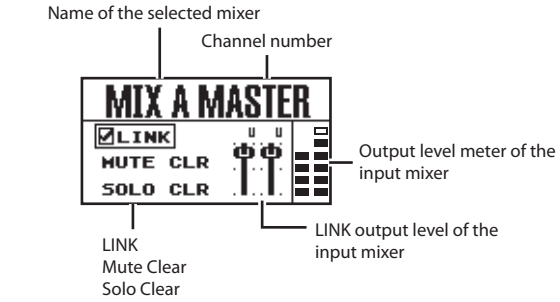
1. Turn the [CURSOR/VALUE] knob to select the channel that you want to edit.



2. Press the [CURSOR/VALUE] knob.

The channel parameter screen will appear.





3. Use the [CURSOR/VALUE] knob to move the cursor.

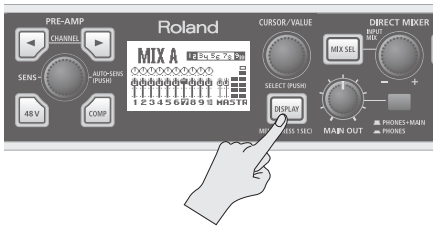
4. Press the [CURSOR/VALUE] knob to select the parameter.

Now the parameter can be edited.

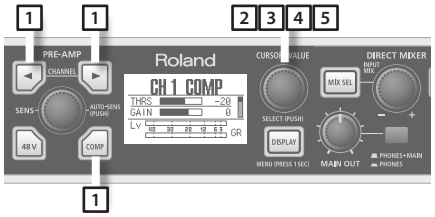
5. Turn the [CURSOR/VALUE] knob to edit the value.

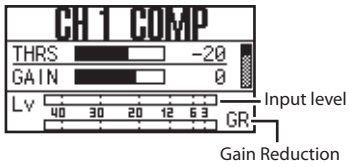
6. Press the [CURSOR/VALUE] knob to confirm the value.

7. Press the [DISPLAY] button to return to the previous screen.



Compressor parameter settings





1. Use the CHANNEL [◄] or [►] buttons to select a channel, and then press the [COMP] button to access the COMP screen for the channel you want to edit.

2. Turn the [CURSOR/VALUE] knob to move the cursor to the parameter that you want to edit.

Setting	Explanation
THRS	Specifies the signal level at which the compressor will begin operating.
GAIN	Adjusts the output level of the compressor.
GATE	Signals lower than this value will be muted.
ATK	Specifies the time from when the input level exceeds the threshold level until the compressor begins operating.
REL	Specifies the time from when the input level falls below the threshold level until the compressor stops operating.
RATO	Specifies the compression ratio at which the audio signal will be compressed.
LINK	If this setting is on, the settings of the adjacent channel will be set so they're identical to those of this channel.
[←	Returns you to the previous screen.

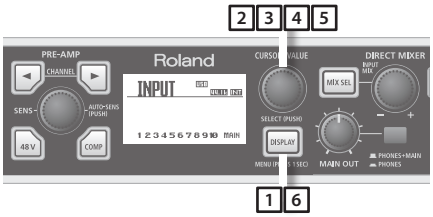
3. Press the [CURSOR/VALUE] knob to highlight the value.

4. Turn the [CURSOR/VALUE] knob to edit the value.

5. Press the [CURSOR/VALUE] knob to confirm the value.

Utility section

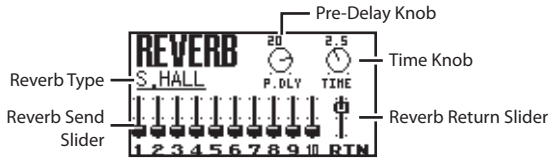
In the utility section you can edit the OCTA-CAPTURE's system settings.



1. Press and hold the [DISPLAY] button for one second.

The SYSTEM screen will appear.

2. Turn the [CURSOR/VALUE] knob to move the cursor to the parameter that you want to edit.

Screen indication	Explanation
LCD CONTRAST	Adjusts the contrast of the display. Higher values will make the display darker. Range: 0–19
SAMPLE FREQ	Specifies the sampling frequency of the OCTA-CAPTURE itself. For details, refer to "Sampling Frequency Setting" (Owner's Manual p. 68).
REVERB	Opens the setting screen for the built-in reverb. For details on the settings, refer to "Master A–D" (p. 22). 
PATCHBAY	For each output jack, select the source that you want to patch. As appropriate for your needs, you can freely assign the output destinations of the four direct mixers and the output destinations of the playback channels from the computer. For details on the settings, refer to "Patch Bay" (p. 11).
AUTO SENS	The recording level will be set automatically according to the maximum volume that was input during the Auto Sens setting time. To start rehearsal, press the [AUTO-SENS] button. Manual: The recording level will be set automatically according to the maximum volume that was input from when you started Auto Sens until when you pressed the [AUTO-SENS] button once again. 30sec, 1min, 3min, 5min: If you press the [AUTO-SENS] button once again while the Auto Sens setting is in progress, the recording level will be automatically set according to the maximum volume that was received up to that point during Auto Sens. For details, refer to "Auto Sens setting" (owner's Manual p. 37).
BACKUP ALL PRM.	Stores the current settings (preamp, direct mixer, reverb, patch bay) in the OCTA-CAPTURE's memory.
RECALL ALL PRM.	Recalls the internally stored settings.
VS EXPAND	OFF: Choose this setting if you're using a single OCTA-CAPTURE unit. ON: Choose this setting if you've connected two OCTA-CAPTURE units. For details, refer to "Connecting Two OCTA-CAPTURE Units" (p. 20).
DIGITAL	Turns the INPUT 9–10 (COAXIAL IN) input on/off. AUTO: The input signal from INPUT 9–10 (COAXIAL IN) will be received. The OCTA-CAPTURE will switch to the same sampling frequency as the incoming digital signal. OFF: The digital signal will not be received.
CLEAR MUTE/ SOLO	Clears the mute and solo settings of the channels. To clear the settings, choose "Yes," and then press the [CURSOR/VALUE] knob. If you decide not to clear the settings, choose "No," and then press the [CURSOR/VALUE] knob.
POWER OFF	Specifies the time after which power to the OCTA-CAPTURE will automatically be turned off, following the last time it was operated. Range: OFF, 4HOURS
INITIALIZE	Initializes the system settings. For details on the values, refer to "Initializing the Settings" (p. 13). When you select the item to be initialized, a confirmation message will appear. To execute initialization, press the [CURSOR/VALUE] knob. If you decide not to initialize, press the [DISPLAY] button.

3. Press the [CURSOR/VALUE] knob.

The parameter value will be highlighted.

4. Turn the [CURSOR/VALUE] knob to edit the value.

5. Press the [CURSOR/VALUE] knob to finalize the setting.

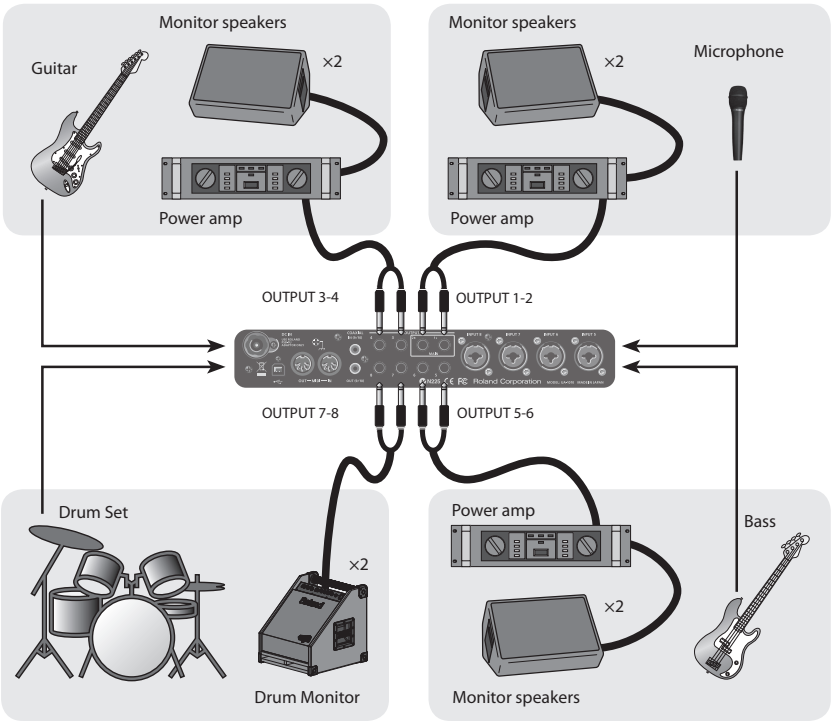
6. Press the [DISPLAY] button.

You will return to the previous screen.

Live Set-up with Four Stage Monitors

The sounds being input to INPUT 1–8 can be mixed independently by the four direct mixers, and sent from each mixer to a different output destination.

For example, this is convenient when you want to provide each member of a band with their own monitor mix.



Connect your monitor speakers as shown in the illustration, and make patch bay settings as follows (p. 11, p. 17).

1. **As the source for OUTPUT 1-2, choose "DIRECT MIX A" and use it as the monitor mix for the vocalist.**
2. **As the source for OUTPUT 3-4, choose "DIRECT MIX B" and use it as the monitor mix for the guitarist.**
3. **As the source for OUTPUT 5-6, choose "DIRECT MIX C" and use it as the monitor mix for the bassist.**
4. **As the source for OUTPUT 7-8, choose "DIRECT MIX D" and use it as the monitor mix for the drummer.**

   If desired, you can choose the same source for all OUTPUT jacks.

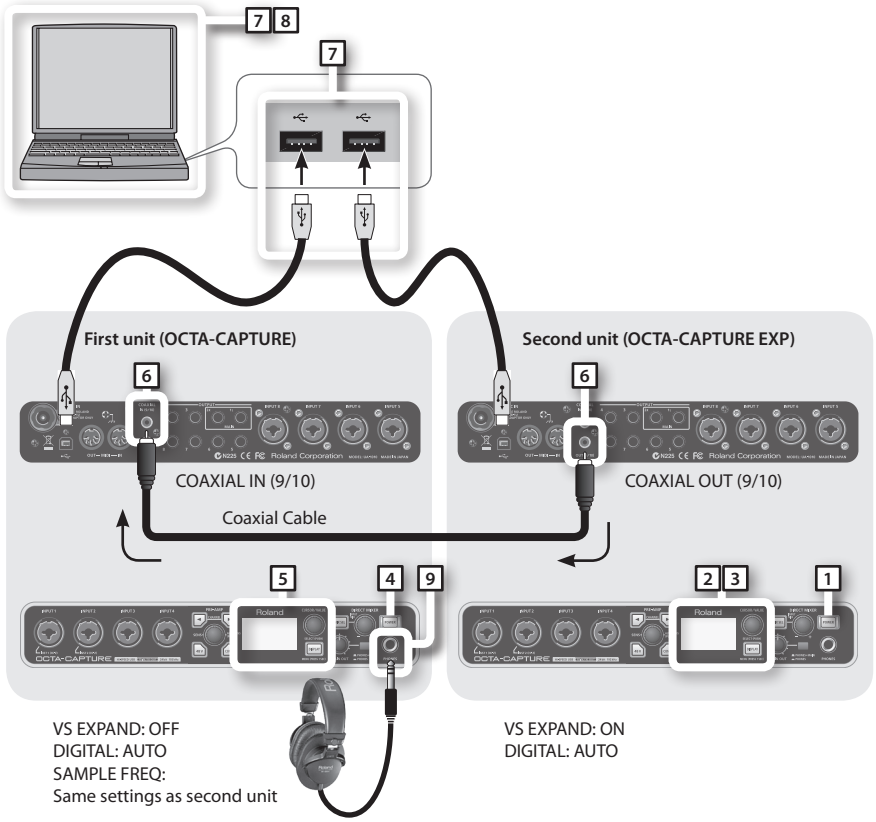
Connecting Two OCTA-CAPTURE Units

If you connect two OCTA-CAPTURE units, you'll be able to use them as a 24-in/20-out audio interface with ASIO on Windows or with Core Audio on Mac OS X.

In order to connect two OCTA-CAPTURE units and use them, you must turn on the VS EXPAND setting of the second unit, and set both units to digitally synchronize at the same sampling frequency.

*** A maximum of two OCTA-CAPTURE units can be connected simultaneously.**

Before you start making settings, disconnect both OCTA-CAPTURE units from the computer and turn off their power.



1. Switch on the power to the second OCTA-CAPTURE unit.

The second OCTA-CAPTURE unit will be the timing master.

2. Specify the sampling frequency (Owner's Manual p. 68).

*** When using two units, they cannot be used with the 192 kHz setting.**

3. In the Utility section, turn VS-EXPAND on (p. 17).

4. Switch on the power to the first OCTA-CAPTURE unit.

5. Specify the same sampling frequency as that of the second unit (Owner's Manual p. 68).

6. In order to digitally synchronize the two units, use a coaxial cable to connect the second unit's COAXIAL OUT (9/10) to the first unit's COAXIAL IN (9/10).

*** If the Utility section's DIGITAL setting is turned off, the sampling frequency will not switch. Change the first unit's DIGITAL setting to "AUTO" (p. 17).**

*** Make sure that the Utility section's VS-EXPAND setting is "OFF."**

7. Connect the second OCTA-CAPTURE unit to the computer.

Connect the two USB cables to USB ports that are near each other.

Windows 7/Windows Vista users

The driver will be installed automatically when you connect the OCTA-CAPTURE. Please wait.

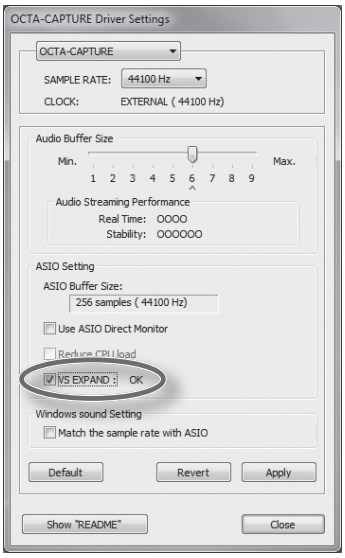
Windows XP users

After you've made the connection, follow steps 10 through 13 on Owner's Manual p. 20–21 to install the driver.

8. The procedure will differ depending on your system. Proceed as follows.

Windows users

If you're using Windows, the two OCTA-CAPTURE units must be connected to the same USB controller. In the driver settings of the OCTA-CAPTURE control panel (Owner's Manual p. 69), select the VS EXPAND check box. Make sure that the "OK" indication is shown.



If this does not indicate "OK," proceed as directed below.

If "USB controller does not match" is shown:
Connect the second OCTA-CAPTURE unit to a different USB port, and keep trying other USB ports until the indication is "OK" or "Sampling frequency does not match."

*** Alternatively, you can ensure that the two OCTA-CAPTURE units are connected to the same USB controller by connecting them both to a USB 2.0 compliant hub.**

If "Sampling frequency does not match" is shown:
Disconnect both USB cables from the computer, turn off the power of the first unit, and start again from step 4. Connect each OCTA-CAPTURE unit to the same USB port.

If nothing is shown in the VS EXPAND section.
Disconnect both USB cables from the computer, turn off the power of both OCTA-CAPTURE units, and start again from step 1.

Mac OS X users

Make "MIDI Input/Output Device Settings" (Owner's Manual p. 25) for the second OCTA-CAPTURE unit. In step 5, enter the following names.

New Device	Device Name
First [new external device]	EXP MIDI
Second [new external device]	EXP CTRL

Mac OS X 10.5 or earlier

1. **After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).**
2. **From the "Audio" menu, choose "Open Aggregate Device Editor."**
3. **The device settings dialog box will appear. Click the [+] button to add an aggregate device.**
   Change the device set name to "OCTA-CAPTURES."
4. **Add a check mark to "OCTA-CAPTURE" and then to "OCTA-CAPTURE EXP."**
5. **In the clock field, choose "OCTA-CAPTURE EXP."**
6. **If a check mark has been placed in the Resample field, clear the check mark.**

Mac OS X 10.6 or later

1. **After making connections, start up "Audio MIDI Setup" (/Applications/Utilities).**
2. **Click "Create an aggregate device."**
3. **"Aggregate Device" will appear in the list; double-click it and edit the name.**
   Change the device set name to "OCTA-CAPTURES."
4. **From the audio devices at the right, add a check mark to "Use" for "OCTA-CAPTURE" and then for "OCTA-CAPTURE EXP."**
5. **In the clock source field, choose "OCTA-CAPTURE EXP."**
6. **If a check mark has been placed in the Resample field, clear the check mark.**

9. Connect your headphones to the PHONES jack of the first OCTA-CAPTURE unit.

The number of audio ports will increase, allowing you to record and play back using 24-in/20- out.

OCTA-CAPTURE device name	
First unit	OCTA-CAPTURE
Second unit	OCTA-CAPTURE EXP

Settings for monitoring through headphones

1. **Start up the OCTA-CAPTURE control panel (p. 5).**
2. **In the lower left of the OCTA-CAPTURE EDITOR screen, click the [OCTA-CAPTURE EXP] button.**

The state of the second OCTA-CAPTURE unit will be shown.

3. **From the "Device" menu, choose [Open the Patch Bay].**

The patch bay screen will appear.

4. **In the OUTPUT 9–10 field, choose "DIRECT MIX A."**
5. **Click the [Close] button to close the screen.**
6. **In the lower left of the OCTA-CAPTURE EDITOR screen, click the [OCTA-CAPTURE] button.**

Used when synchronizing a first unit and second unit.

The state of the first OCTA-CAPTURE unit will be shown.

7. **Switch to the direct mixer control screen, and check to make sure that the sliders for channels 9-10 of INPUT MIXER A are sufficiently raised.**
8. **In order to monitor in stereo, set the channel 9 PAN to far left (100%L) and the channel 10 PAN to far right (100%R).**
9. **From the "Device" menu, choose [Open the Patch Bay].**

The patch bay screen will appear.

10. **Make sure that "DIRECT MIX A" is selected in the OUTPUT 1–2 field.**

If something else is selected, change it to "DIRECT MIX A."

All input signals of the second OCTA-CAPTURE unit will be output from the PHONES jack of the first unit.

Setting the sampling frequency

1. Change the sampling frequency of the second unit (the unit that is set to OCTA-CAPTURE EXP) as described in "Sampling Frequency Setting" (Owner's Manual p. 68).

Input/Output Devices (First Unit)

Input Device		Output Device	
OCTA-CAPTURE	IN 1-2	OCTA-CAPTURE	OUT 1-2
	IN 1-2(2)		OUT 1-2(2)
	IN 3-4		OUT 3-4
	IN 3-4(4)		OUT 3-4(4)
	IN 5-6		OUT 5-6
	IN 5-6(6)		OUT 5-6(6)
	IN 7-8		OUT 7-8
	IN 7-8(8)		OUT 7-8(8)
	IN 9-10		OUT 9-10
	IN 9-10(10)		OUT 9-10(10)
	MAIN		
	MAIN(R)		

Input/Output Devices (Second Unit)

Input Device		Output Device	
OCTA-CAPTURE EXP	IN 1-2	OCTA-CAPTURE EXP	OUT 1-2
	IN 1-2(2)		OUT 1-2(2)
	IN 3-4		OUT 3-4
	IN 3-4(4)		OUT 3-4(4)
	IN 5-6		OUT 5-6
	IN 5-6(6)		OUT 5-6(6)
	IN 7-8		OUT 7-8
	IN 7-8(8)		OUT 7-8(8)
	IN 9-10		OUT 9-10
	IN 9-10(10)		OUT 9-10(10)
	MAIN		
	MAIN(R)		